



May 17, 2016

Meagan E. Ormand Golder Associates Inc. 2108 W. Laburnum Ave. Suite 200 Richmond, VA 23227

RE: Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Dear Meagan Ormand:

Enclosed are the analytical results for sample(s) received by the laboratory on May 16, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole Gasiorowski

Micolo Yasiorovske

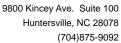
nicole.gasiorowski@pacelabs.com

Project Manager

Enclosures





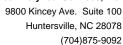




May 17, 2016 Page 2

cc: Ron DiFrancesco, Golder Associates Inc. Martha Smith, Golder Associates Inc. Mike Williams, Golder Associates Inc







CERTIFICATIONS

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174

Alabama Certification #: 41320 Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079 Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007

Maryland Certification: #346 Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

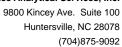
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity

West Virginia Certification #: 9962C Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity





SAMPLE ANALYTE COUNT

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory	
92297722001	T4-160515-1000-S3	EPA 200.7	CKJ	8	PASI-O	_



PROJECT NARRATIVE

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Method: EPA 200.7
Description: 200.7 MET ICP

Client: Golder_Dominion_Bremo

Date: May 17, 2016

General Information:

1 sample was analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

(704)875-9092



ANALYTICAL RESULTS

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Date: 05/17/2016 06:40 PM

Sample: T4-160515-1000-S3	Lab ID: 9229	7722001	Collected: 05/15/1	6 10:00	Received: 05	/16/16 14:05	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Meth	od: EPA 20	0.7 Preparation Met	hod: El	PA 200.7			
Aluminum	1030	ug/L	100	1	05/17/16 12:24	05/17/16 16:36	6 7429-90-5	
Barium	244	ug/L	10.0	1	05/17/16 12:24	05/17/16 16:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/17/16 12:24	05/17/16 16:36	6 7440-41-7	
Boron	541	ug/L	50.0	1	05/17/16 12:24	05/17/16 16:36	7440-42-8	
Cobalt	ND	ug/L	10.0	1	05/17/16 12:24	05/17/16 16:36	6 7440-48-4	
Iron	ND	ug/L	250	1	05/17/16 12:24	05/17/16 16:36	7439-89-6	
Molybdenum	204	ug/L	10.0	1	05/17/16 12:24	05/17/16 16:36	7439-98-7	
Vanadium	40.7	ug/L	10.0	1	05/17/16 12:24	05/17/16 16:36	7440-62-2	



QUALITY CONTROL DATA

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Date: 05/17/2016 06:40 PM

QC Batch: MPRP/30447 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET

Associated Lab Samples: 92297722001

METHOD BLANK: 1575515 Matrix: Water

Associated Lab Samples: 92297722001

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	05/17/16 15:59	_
Barium	ug/L	ND	10.0	05/17/16 15:59	
Beryllium	ug/L	ND	1.0	05/17/16 15:59	
Boron	ug/L	ND	50.0	05/17/16 15:59	
Cobalt	ug/L	ND	10.0	05/17/16 15:59	
Iron	ug/L	ND	250	05/17/16 15:59	
Molybdenum	ug/L	ND	10.0	05/17/16 15:59	
Vanadium	ug/L	ND	10.0	05/17/16 15:59	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	2500	2580	103	85-115	
Barium	ug/L	250	257	103	85-115	
Beryllium	ug/L	25	25.7	103	85-115	
Boron	ug/L	2500	2500	100	85-115	
Cobalt	ug/L	250	255	102	85-115	
Iron	ug/L	2500	2500	100	85-115	
Molybdenum	ug/L	250	247	99	85-115	
Vanadium	ug/L	250	250	100	85-115	

MATRIX SPIKE & MATRIX SPIK	E DUPLICAT	E: 15755	17		1575518						
			MS	MSD							
	922	97717001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
Aluminum	ug/L	1020	2500	2500	3600	3560	103	102	70-130	1	
Barium	ug/L	235	250	250	490	490	102	102	70-130	0	
Beryllium	ug/L	ND	25	25	26.2	26.2	105	105	70-130	0	
Boron	ug/L	521	2500	2500	3050	3070	101	102	70-130	0	
Cobalt	ug/L	ND	250	250	258	258	103	103	70-130	0	
Iron	ug/L	ND	2500	2500	2580	2570	101	100	70-130	1	
Molybdenum	ug/L	200	250	250	453	454	101	101	70-130	0	
Vanadium	ug/L	38.5	250	250	293	294	102	102	70-130	0	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

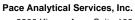
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

Date: 05/17/2016 06:40 PM

PASI-O Pace Analytical Services - Ormond Beach





9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BREMO MONTHLY PROCESS

Pace Project No.: 92297722

Date: 05/17/2016 06:40 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92297722001	T4-160515-1000-S3	EPA 200.7	MPRP/30447	EPA 200.7	ICP/18195

Pace Analytical*

Document Name:

Sample Condition Upon Receipt(SCUR)

Document No.: F-MEC-CS-009-rev.02 Document Revised: 26FEB2016 Page 1 of 2

Issuing Authority:
Pace Mechanicsville Quality Office

Sample Corr dition Upon Client Name:					Page	2 of 2 for Internal Use ONLY
Sample Condition Upon Client Name:	bren	1 D		Project #:	1104 . 000	
Courier: Fed Ex UF Commercial Pace		SPS ther:		Client		
Custody Seal Present? Yes No S	eals Intact?		/ Yes	□No	92297722	
Thermometer: RMD001 Correction Factor: 0.0°C Cooler Temp Corrected Temp should be above freezing to 6°C USDA Regulated Soil (N/A, water sample)	(°C):	of Ice: . ろ	None Wet	Biolog	Date/Initials Person Examini None Samples on icgical Tissue Frozen?	RSB e, cooling process has begur
Did samples or ginate in a quarantine zone within the Un Yes No	ited States: C	A, NY, or	SC (check		samples originate from a foreigr iding Hawaii and Puerto Rico)?	n source (internationally,
				T	COMMENTS:	
Chain of Custo dy Present?	Yes	□No	□N/A	1.		
Chain of Custo dy Filled Out?	Yes	□No	□N/A	2.		
Chain of Custody Relinquished?	Yes	□No	□N/A	3.		
Sampler Name and/or Signature on COC?	Yes	□No	□N/A	4.		
Samples Arrived within Hold Time?	Yes	□No	□N/A	5.		
Short Hold Time Analysis (<72 hr)?	□Yes	MNo	□N/A	6.		
Rush Turn Around Time Requested?	Yes	□No	□N/A	7.		
Sufficient Volume?	Yes	□No	□N/A	8.		
Correct Containers Used?	Yes	□No	□N/A	9.		
-Pace Containers Used?	Viyes	□No	□N/A] 5.		
Containers Intact?	Yes	□No	□N/A	10.		
Filtered Volume Received for Dissolved Tests?	□Yes	□No	N/A		dimential della talla di alt	
Sample Labels Match COC?	Yes		□N/A	12.	diment is visible in the dissolv	ed container
-Includes Date/Time/ID/Analysis Matrix:			LIN/A	12.		
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation?	Yes	□No	□n/a	13.		
(HNO₃, H₂SO₄, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease.	Yes	□No	□N/A			
DRO/8015 (water) DOC,LLHg	☐Yes	□No	□N/A			
Samples checked for dechlorination	Yes	□No	N/A	14.		
Headspace in VOA Vials (>5-6mm)?	Yes	□No	N/A	15.		
Trip Blank Present? Trip Blank Custody Seals Present?	☐Yes	□No	M/A	16.		
Pace Trip Blank Lot # (if purchased):	☐Yes	□No	 N/A			
CLIENT NOTIFICATION/RESOLUTION						
The first of the second of the					Field Data Required	d? ☐Yes ☐No
Person Contacted:				_ Date/Time:		
Comments/Resolution:						
Comments/Resolution:				€		
						·
Project Manager SCURF Review:				Dat	e: 5/16/18	
Project Manager SRF Review:	7			Dat	e: 5/110/10	
Note: Whenever there is a discrepancy affecting North Caroli Out of hold, incorrect preservative, out of temp, incorrect cor	na complianc itainers)	e samples	s, a copy o	f this form will be	sent to the North Carolina DEHI	NR Certification Office (i.e.



CHAIN-OF-CUS. JY / Analytical Request Document The Chair-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Report To: Mormand@golder.com Copy To: Martha_Smith@golder.com Ron_Difrancesco@golder.com Ron_Difrancesco@golder.com Princhase Order No:: Project Number: 1520-347.200 Project Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 Propect Number: 1520-347.200 County Vin With Codes (see valid codes to left) Propect Number: 1520-347.200 Propect Number: 1520-347.	Section A Section B Section B Section C Impact Associates Required Project Information: Impact I	116
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Required Project Information:	Section B Required Project information:	and
Section B		

Important Note: By signing this form you are accepting Poco's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007



Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories Environmental 2425 New Holland Pike Lancaster, PA 17601 Pace Analytical Services Suite 100 9800 Kincey Ave Huntersville NC 28078

Report Date: May 17, 2016

Project: 92297722

Submittal Date: 05/17/2016 Group Number: 1662374 PO Number: NMG 15415 State of Sample Origin: VA

<u>Client Sample Description</u> T4-160515-1000-S3 Water Sample Lancaster Labs (LL) # 8384785

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/.

Electronic Copy To Pace Analytical Services Attn: Nicole Gasiorowski

Respectfully Submitted,

Bonnie Stadelmann Senior Project Manager

Bornie Stadelmann

(312) 590-3133



Lancaster Laboratories Environmental

Analysis Report

Account

LL Sample # WW 8384785

10945

Dilution

Factor

LL Group # 1662374

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: T4-160515-1000-S3 Water Sample

92297722001

92297722

Pace Analytical Services

Suite 100

9800 Kincey Ave

Huntersville NC 28078

Project Name: 92297722

Collected: 05/15/2016 10:00

Submitted: 05/17/2016 09:35

Reported: 05/17/2016 15:57

CAT Analysis Name No.

Wet Chemistry 12941 Free Cyanide

CAS Number

OIA-1677-09

n.a.

< 10.0

ma/1

10.0

Limit of

Quantitation

1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT Analysis Name No.

Method

Trial# Batch#

Analysis Date and Time

Dilution Factor

12941 Free Cyanide OIA-1677-09 16138941101A 05/17/2016 11:59 Joseph E McKenzie

Result

mg/l



Lancaster Laboratories Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Quality Control Summary

Client Name: Pace Analytical Services Group Number: 1662374

Reported: 05/17/2016 15:57

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

 Analysis Name
 Result
 LOQ

 mg/l
 mg/l

 Batch number: 16138941101A
 Sample number(s): 8384785

 Free Cyanide
 < 10.0</td>
 10.0

LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 16138941101A	Sample numbe	Sample number(s): 8384785							
Free Cyanide	0.0400	0.0399			100		86-132		

MS/MSD

 ${\tt Unspiked} \ \ ({\tt UNSPK}) \ = \ {\tt the} \ \ {\tt sample} \ \ {\tt used} \ \ {\tt in} \ \ {\tt conjunction} \ \ {\tt with} \ \ {\tt the} \ \ {\tt matrix} \ \ {\tt spike}$

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16138941101A Free Cyanide	Sample numb	er(s): 8384	785 UNSP	K: 8384785 0.0200	0.0203	98	102	86-132	3	3

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

^{*-} Outside of specification

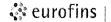
⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

Chain of Custody 6384785



Work	order: 92297722 W	orkorder Name:	BREMO MONTHLY I	PROCESS	Re	sults Requested E	By: 5/17/2016	
Repor	t / Invoice To	Subco	ntract To		Requesti	ed Analysis		
Pace 9800 Hunte Phone	: Gasiorowski Analylical Charlotte Kincey Ave. Suite 100 rsville, NC 28078 : (704)875-9092 nicole.gasiorowski@pacelabs	2425	o Administration p. s Lancoster Labor New Holland v.'s Ster, PA 17601	o.NMG 1541 Haries Envi	5 gp 2 b 2 b 2 b 2 b 2 b 2 b 2 b 2 b 2 b 2			
State	of Sample Origin:			Preserved Contain	ners ψ			
Y		Collect		NEDY	نغ ال			
Item	Sample ID	Date/Time	Lab ID Matrix					LAB USE ONLY
1	T4-160515-1000-S3	5/15/2016 10:00	92297722001 Water	ス	X			
2	i							
3								
4								
5								***************************************
							Comments	
Transf	ers Released By	Date/Ti	me Received By	ם	ate/Time			
1	(Radiol Buny	14- 5-16-1	b 1655			I 1, 1	10	
2						 ひ凡 `	Sample	
3			42	2.	17.14 975			
Coole	r Temperature on Receipt	(₹°C	Custody Seal Y or (red on Ice		Samples Intact 🤇	or N



Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID:

146741

Group Number(s): 1662374

Client: Pace Analytical

Delivery and Receipt Information

Delivery Method:

Fed Ex

Arrival Timestamp:

05/17/2016 9:35

Number of Packages:

1

Number of Projects:

1

Arrival Condition Summary

Shipping Container Sealed:

Yes

Sample IDs on COC match Containers:

Yes

Custody Seal Present:

No

Sample Date/Times match COC:

Yes

Samples Chilled:

Yes

VOA Vial Headspace ≥ 6mm:

N/A

Paperwork Enclosed:

Yes

Total Trip Blank Qty:

0

Samples Intact:

Yes

Air Quality Samples Present:

No

Missing Samples:

No

Extra Samples:

No

Discrepancy in Container Qty on COC:

No

Unpacked by Timothy Cubberley (6520) at 09:55 on 05/17/2016

Samples Chilled Details

Thermometer Types:

DT = Digital (Temp. Bottle)

IR = Infrared (Surface Temp)

All Temperatures in °C.

Cooler # Thermometer ID

32170023

Corrected Temp

Therm, Type

Ice Type

Ice Present?

Ice Container

Elevated Temp?

1.2

IR

Wet

Loose

Ν



Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	Ě	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
μg	microgram(s)	mg	milligram(s)
mĹ	milliliter(s)	Ĺ	liter(s)
m3	cubic meter(s)	μL	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an

as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank

C - Result confirmed by reanalysis

E - Concentration exceeds the calibration range

J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)

P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.

U - Analyte was not detected at the value indicated

V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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